

nPolymeric Acroleins. Part III(continued). Oximation and Quantitative Determination of Aldehyde Groups, by R. C. Schulz, H. Fauth, W. Kerns, 6 pp.

GERMAN, per, Makromolekulare Chemie,  
Vol. XX, in 1956, pp 161-167.

ATS-38M39G  
ATS-69S-GJ

Sci  
Mar 62  
Vol. IV, No 2

183P, 892

The Preparation of Polyethylene As a Classroom Experiment, by K. Ziegler, H. Martin.

GERMAN, per, Makromol Chem, No 18, 19, 1956,  
pp 186-194.

Assoc Tech Sv  
Tr 35H100  
\$9.00

52,246

Sci - Chem  
Sep 57

The Self-Linking of Filamentary Molecules, by W. Kuhn,  
H. Maier, 19 pp.

No. 18/19  
CHEM, per, Makromol Chem, Vol XVIII, 1956,  
pp 239-253.

SLA Tr 1678

Jan 1957

46, 333

The Relationship Between the Hydrogen Bond and Certain Properties of Polyamides, by R. Brill.

GERMAN, per, Makromol Chem, Vol XVIII-XX, Mar 1956,  
pp 294-309.

ASLIB-GB39

Sci

Aug 59

95,100

Graft ~~IPN~~ and Block Copolymers From Synthetic and  
Natural Macromolecules, by E. H. Immergut, H.  
Mark, 22 pp.

GERMAN, per, Makromolekulare Chemie, Vol XVIII/  
XIX, 1956, pp 322-341.

SLA 59-15947

Sci  
Dec 59  
Vol 2, No 4

102, 725

Natta, G[ullo] Bassi, I[vano Walter] and Corradini,  
P[aolo].  
THE CHAIN STRUCTURE OF CRYSTALLINE POLY-  
VINYL ISOBUTYL ETHER. [1963] 11p (figs omitted).  
Order from K-H \$11.00 K-H 5388 a

Trans. of Makromolekulare Chemie (Switzerland) 1956,  
v. 18/19, p. 455-462.

DESCRIPTORS: Ethers, \*Butyl radicals, \*Vinyl radi-  
cals, Polymers, Crystallization, Molecular structure

TT-63-22804

- I. Natta, G. I.
- II. Bassi, I. W.
- III. Corradini, P.
- IV. K-H-5388-a
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

(Chemistry--Organic, TT, v. 11, no. 2)

Office of Technical Services

Viscosity Numbers and Molecular Weights  
of Fracture-tacted Isotactical Polystyrenes,  
by G. Matte, F. Damusso, G. Moraglio, 7 pp.

GERMAN, per, Makromol Chem, Vol XX, 1956,  
pp 37-45.

NOT RELEASE TO FOREIGN NATIONALS

CIA/PDD XX-282

Sci - Chemistry  
May 1957 CMS/dex  
IAC INTERNAL USE ONLY

47,662

The Molecular Weight Distribution of Some Low Pressure Polyethylenes, by H. Wesslau, 27 pp.

GERMAN, per, Makromol Chem, Vol XX, No 2, 1956,  
pp 111-142.

Assoc Tech Sv

Sci - Chemistry  
Oct 57

54, 430

Clampa, Giuseppe and Schwindt, Hans.  
VISCOMETRIC WEIGHT DETERMINATION OF  
POLYVINYL CHLORIDE. [1963] [14]p. 55 refs.  
Order from SLA \$1.60 63-18305

Trans. of Makromolekulare Chemie (Switzerland)  
1956, v. 21, p. 169-178.

DESCRIPTORS: \*Polyvinyl chloride, \*Molecular  
weight, Determination, Viscosity, Osmotic pressure,  
Light, Scattering, Equations.

Different equations are given by various authors to  
describe the relations between  $[\eta]$  and  $\bar{M}_n$  and between  
 $[\eta]$  and  $M_{v1pc}$  of polyvinyl chloride. Therefore a series  
of whole polyvinyl chlorides polymerized in suspension  
was investigated, using cyclohexanone as solvent, and  
determination was made of  $[\eta]$ ,  $\bar{M}_n$  (osmotically) and  
 $M_w$  (by light scattering). The osmotic molecular  
(Materials--Plastics, TT, v. 10, no. 11) (over)

63-18305

I. Clampa, G.  
II. Schwindt, H.

Office of Technical Services

Preliminary Report on the Crystal Structure of  
Isotactic Poly-2-Butene, by G. Natta, P. Corradini,  
I. W. Bassi, 4 pp.

GERMAN, per, Makromol Chem, Vol XXI, No 3, Dec 1956,  
pp 240-244.

SLA Tr 57-1175

Sci - Chemistry  
Oct 57

54, 487

The Structure of Chlorinated Polyvinyl Chlorides,  
by Walter Fuchs, Dieter Louis, 26pp  
DUTCH, per, Makromolekulare Chemie, Vol 22, 1957,  
No 1/2, pp 1-30  
SIA TT-64-16335

Sci - Eng  
May 67

327,387

Fractionation of High Pressure Polyethylenes, by  
A. Nasini, C. Musso, 34 pp.

GERMAN, per, Makromolekulare Chemie, Vol XXII, 1957,  
pp 59-80.

SLA 60-14117

SLA RT 63-10001

Sci

Sep 61

169.059

Vol III, No 9

Investigations to Explain the Structure of  
Polyvinyl Chloride, by Hans Kaiser, unter  
Hirsch, 19 pp.

GERMANY, ver., Makromolekulare Chemie, Vol XXII,  
No 1/2, 1957, pp 131-146.

Sci. + Chem.  
Dec 59  
Vol 2, No 4

CSIRO  
SLA 59-15945 (MP-2.40)  
SLA 77-62-14195 (partial trans-PP-1/10)  
SLA 77-62-18301 (22 pp - 2.60)

102 783

Ethylene Glycol Terephthalic Acid Ester Film  
As an "Ideal" Osmotic Membrane. 2. Semi-  
Permeable Membranes, by G. Meyerhoff, 3 p.

*REKMAN*

~~EMIGS~~; per, Makromolekulare Chemie, 1957,  
Vol. XXII, pp 237-239.

SLA 59-15368

Sci  
Dec 59  
Vol. 2, No 6

*104, 109*

The Synthesis of Uniform Linear Oligopeptides  
of the Polyglycol Terephthalate Type/ by  
H. Zahn and R. Krikalla.

GERMAN, per, Makromol Chem, Vol XXIII, No 1, 1957:  
pp 31-53.

ABLIB-4839

Sci

Aug 58

71,176

Analytical Determination of the Polyester  
Carboxyl Groups, by P. Fijolka, et al.

GERMAN, pag, Makromolekulare Chemie,  
Vol. XXIII, No 1, 1957, pp 60-70.

CAIRO

Sci - Chem  
May 62

196, 409

Cadmium Andine Complex Salzen es Cellulose Sulfatate,  
by Georg Jayne, Karlheinz Hauschaffer, 16 pp.

GERMANY, peer, Makromolekulare Chemie, Vol XXIII,  
No 1, 1957, pp 71-83.

SLA 59-10751

Sci  
Nov 59  
Vol 2, No 3

101, 531

Determination of Osmotic Pressures by Flotation Method  
and Calculation from the Rate of Approach to  
Equilibrium, by R. G. Elies, 5 pp.

GERMAN, per, Makromol Chem, Vol XXIII, No 2-3, 1957,  
pp 175-179.

ABR-63J17G

Sci

Aug 59

93, 584

On the Transfer Constants and Structure of  
Poly(methyl Methacrylate), by G. Henrici-Olivier.

GERMANY, part, Makromolekulare Chemie, Vol XXII,  
No 2/3, 1957, pp 207-219.

C.S.I.R.O.

Sci-Chear

May 69

116 224

Cellulose Crotonates and Cellulose  
Acetoacetoacetates, by H. Engelmann,  
F. Kneer.

GERMAN, pur, Makromolekulare Chemie,  
Vol. XXIII, 1957, pp 233-243.

CSIRO

Sci. & Chem  
Jul. 62

203, 465

zum die Anwendung der gelenkten Reaktionen auf Silyrene  
terephthalone Copolymer, by Kurt Ubbelreiter,  
Norbert Krall, 20 pp.

GERMAN, ger, Makromolekulare Chemie, Vol XXIV, No 1,  
1957.

SLA 59-15917

Sci  
Dec 59  
Vol 2, No 1

103,646

Kinetics of the Chain Growth and Break off  
Processes with the Stereospecific Polymeriza-  
tion of Propylene, by G. Natta, 31 pp.  
SWISS, per, Makromolekulare Chemie, Vol XXIV,  
No 3, 1957, pp 258-290.  
CFSTI TT-64-18151

Sci - Chem  
Jul 66

305,823

Scholtan, W.  
DETERMINATION OF THE MOLECULAR WEIGHT  
DISTRIBUTION OF POLYVINYL PYRROLIDON BY  
TURBIDOMETRIC TITRATION AND A COMPARISON  
OF THE DIFFERENT METHODS OF EVALUATION.  
[1963] [31p] (figs formulae refs omitted)  
Order from SLA \$3.60

TT-63-20934

Trans. of Macromolekulare Chemie (Switzerland)  
1957, v. 24, p. 104-132.

TT-63-20934

I. Scholtan, W.

Office of Technical Services

(Chemistry--Analytical, TT, v. 12, no. 1)

Investigations Into the Structure Of P.V.C. by  
H. Batzer and A. Nisch.

GERMAN, per, Makromolekulare Chemie, No 1/2,  
1957, pp 131-146.

CSIRO

Oct. 62

The Redox Polymerization of Acrolein in an Aqueous Medium. VI. Acrolein Polymers, by R. C. Schulz,

GERMAN, per, Makromolekulare Chem., Vol XXIV, 1957,  
pp 141-151.

ATB 343-GJ

Sci + Chem

Aug 60

123,328

Nicolas, L. MOLECULAR WEIGHT DISTRIBUTION IN HIGH-PRESSURE POLYETHYLENES. 30p 21refs. Order from SLA \$2.40	TT-64-18159	L. Nicolas, L.
Trans. of Matrovoe[Structure] Chemic (Switzerland) 1957, v. 24 [no. 3] p. 173-[204].		
(Materials--Plastics, TT, v. 12, no. 7)	Office of Technical Services	

The Solution Viscosity as Function of  
Concentration For Unbranched and Branched Polymers.  
Pt 1. The Solution Viscosity as a Function of  
Concentration for Unbranched Polymers, by  
M. Hofmann, 20 p.

Sci, per, Makromolekulare Chemie, 1957, Vol XIV,  
No 3, pp 232-244.

SLA 59-15379

Sci  
Dec 59  
Vol 2, No 6

104, 113

The Solution Viscosity as Function of  
Concentration for Unbranched and Branched  
Polymers, Pt. 2, The Effect of Branching on the  
Solution Viscosity as a Function of Concentration  
for Branched Polymers, by M. Hoffmann, 12 p.

REPRINT  
[REDACTED] per, Makromolekulare Chemie, 1957,  
Vol XXIV, No 3, pp 245-257.

SLA 59-15765

Sci  
Dec 50  
Vol 2, No 6

104,106

Kinetics of Chain Growth and Termination Processes  
in Stereospecific Polymerization of Polypropylene, by G. Motta, I. Pasquon, E. Giachetti, 19 pp.

GERMAN, per, Makromol Chem, Vol XXIV, No 3, Oct 1957, pp 258-269

SLA 57-3574

Sci

Jul 59

92, 418

Determination of Molecular Weights in Polyamides by  
Measurements of Light Scattering, by H. G. Fendler,  
H. A. Stuart, 24 pp.

GERMAN, per, Makromolekulare Chemie, Vol XXV, No 3,  
1957, pp 159-175.

SIA 59-15257

Sci  
Dec 59  
Vol 2, No 5

103,600

The Question of "Adsorption Error" in Capillary  
Viscometry, by R. Uhlmann, 9 pp.

GERMAN, per, Makromolekulare Chemie, Vol XXV,  
No 3, 1958, pp 199-204.

SLA ~~59~~-15919

Sci  
Dec 59  
Vol 2, No 4

102,780

V  
Reply to the Preceding Publication of H. Hünigter:  
Problem of the So-Called "Adsorption Error" in the  
Capillary Viscosimetry, by O. E. Ohrn, 7 pp.

GERMAN, per, Makromolekulare Chemie, Vol XXV, No 3,  
1953, pp 205-209.

SLA 59-15920

Sci  
Dec 59  
Vol 2, No 4

102, 715

Analysis Methods for Polyesters, by F. Fijolka,  
J. Lenz, F. Runge, 5 pp.

GERMAN, per, Makromol Chem, Vol XXVI, No 1/2, 1958,  
pp 61-66.

SLA 59-15665

Sci - Chem  
Sep 55  
Vol 2, No 2

97 961

The Problem of the Membrane in Osmotic Measurements  
on High Polymers. Part 1, by H. G. Elias, T. Ritscher,  
F. Putat, 17 pp.

GERMAN, per, Makromolekulare Chemie, Vol XXVII,  
No 1-2, 1953, pp 1-22.

Assoc Tech Serv 50X260  
14.25

Sci - Phys  
OTS I, 4  
Apr 59

83-249

The Photochemical Degradation of Unsaturated  
Polyester Resins, Investigation of the UV-Absorption  
Spectra, by J. Voigt.

GERMAN, per, Makromol Chem, Vol XXVII, No 1-2, 1958,  
pp 80-101).

AT&T 140-GJ

Sci  
Nov 59

100,412

Research on Cured Polyester Resins, by W. Funke.  
UNCL.

Vol XXVIII,  
GERMANY, per, Makromol Chem., No 1, 1958,  
pp 17-57.

TIL 5063

Sci - Chem  
Mar 60

111876

Synthetic Linear Polymers V. The Effect of  
Tetraalkyl-Diaryl Activators on the Polymerisation  
of Methyl Methacrylate Monomer-Polymer Mixtures  
in the Presence of Benzoyl Peroxide,

GERMAN, per, Makromolekulare Chemie,  
1958, pp 176-183.

CSIRO

Sci - Chem  
Jun 62

199, 207

Synthesis of Macromolecules of Unusual Size. Part IV. Principles of the Duplication Process, i.e.  
J. Kern, K. J. Rautenkus, 13 pp.

GERMAN, per, Makromolekulare Chemie, Vol XXVIII, No 3:  
1958, pp 231-235.

AM-33L31G  
AM-237-0J

Sci - Chem  
Dec 59  
Vol 2, No 4

102 770

Kleine, Johannes and Kleine, Hans-Henning.  
HIGH MOLECULAR WEIGHT, AND PARTICULARLY  
OPTICALLY ACTIVE POLYESTERS OF LACTIC  
ACID. A CONTRIBUTION TO THE STEREOCHEM-  
ISTRY OF MACROMOLECULAR COMPOUNDS. [1961]  
27p. 35 refs.

Order from SLA \$2.60

62-10221  
I. Kleine, J.  
II. Kleine, H.-H.

Trans. of Makromolekulare Chem[ie] (Switzerland)  
1959, v. 30 [no. 1] p. 23-38.

DESCRIPTORS: \*Stereochemistry, Chemistry, \*Lactic acid, Acids, \*Polymers, Esters, Molecular weight, Optics, Polymerization, Racemization, Molecular structure

The preparation of high molecular weight, and particularly optically active polyesters of lactic acid is described and the influence of the steric configuration on (Chemistry--Organic, TT, v. 7, no. 9) (over)

Office of Technical Services

The Problem of the Membrane in Osmotic Measurements of High Polymers, III,  
by T. A. Ritscher, H. G. Elias, 51 pp.

GERMAN, per, Makromolekulare Chemie,  
Vol XXX, No 1, 1959, pp 48-80.

SLA 60-18412

Sci  
Vol IV, No 11  
July 62

199, 253

Patai, F.  
MEMBRANES FOR OSMOTIC MEASUREMENTS.  
[1961] 22p. 62 refs.  
Order from SLA \$2.60

61-18875

Trans. of [Makromolekulare Chemie (Switzerland)  
1959, v. 34, p. 130-158].

DESCRIPTORS: \*Membranes, \*Osmotic pressure,  
Measurement, Permeability, Polymers, Stability, Or-  
ganic solvent, Switzerland, Errors.

The influence of membranes on the measurement of os-  
motic pressure is discussed on the basis of results of  
other authors and the present author. Details concern  
the effect of the type of membrane, permeability with  
respect to solvents and polymers, the Staverman effect,  
membrane asymmetry, sorption effects, mechanical,  
thermal and chemical stability as well as various trivial  
errors. (Author)

61-18875

1. Title: Staverman effect  
1. Patai, F.

(Chemistry--Organic, TT, v. 6,  
no. 10)  
Office of Technical Services

The Molecular Constants of Polycarbonates in  
Solution, by G. V. Schulz, A. Horbach, 21 pp.

GERMAN, per, Makromol Chem, Vol XXIX, No 1-2,  
1959, pp 93-116.

ATS 141-CJ  
ATS 17L31G

Sci  
Nov 59

100,414

Kinetics of the Establishment of Equilibrium in an Osmometer, I, by G. V. Schulz, Wo H. Kuhn.

GERMANY, FRG, Makromol Chem, Vol XXIX, 1959, pp 220-225

AT&T 185-GJ

Sci - Chem  
Nov 59

100,384

*2,2-Dicarbonyldisulphones and Their High-Molecular  
Fibre-Forming Polycondensation Products, by Christian  
P. Horn, 36 p.*

*SWISS, per, Makromol. Chem., 1959, Vol XXX, No 2/3,  
pp 123-153.*

SLA 59-20782

Sci  
Mar 60  
Vol 3, No 1

110, 968

Reversible Cross-Linked and Unlinked Ionomer Compounds, 3. Production and Copolymerization of Divinyl-Schiff Bases with Styrene, by R. Ringstorff, C. Greber, 34 p.

Z. Polym., part, Makrom Chem, 1959, Vol XXXI, No 1,  
pp 59-74.

SLA 59-20804

Sci  
Mar 50  
Vol 3, No 1

119,871

Griehl, Wolfgang and Schaaf, Siegfried.  
ON ANIONIC  $\gamma$ -CAPROLACTAM POLYMERIZATION:  
EXPERIMENTS CONCERNING THE STABILIZATION  
OF VISCOSITY Jan '60 [12]p. 15 refs.  
Order from SI A m\$1.80, ph\$1.80 61-10233

Trans. of Mikromolekulare Chemie (Switzerland)  
1959, v. 32, no. 2/3, p. 170-183.

Grignard compounds have been used for anionic polymerization. In order to obtain a more uniform course, it was possible to initiate polymerization processes therewith, but they followed the same rules observed when using sodium caprolactam. The addition of acetic acid esters of long-chain alcohols, however, resulted in a distinct stabilizing effect. Acetyl caprolactam, which was used in different concentration ratios, had a still better effect. The resulting rules regarding the dependence of the number average degree of polymerization in equilibrium upon (Chemistry-Organic, TT, v. 5, no. 4) (over)

61-10233

I Lactams--Polymerization  
I. Griehl, W.  
II. Schaaf, S.  
III. Title: Experiments...

143,199

Office of Technical Services

Preparation and Properties of Linearic,  
Polymeric and Cyclic Methylsilyldisilanes,  
by Friedrich August Langbein,  
Klaus Lüthardt,  
Chemie, per, Makromolekulare Chemie, Vol XXXI  
1958, pp 218-225, 0696497  
DOI: 10.1002/mrc.372

Scanned from  
DOI: 10.1002/mrc.372

Reactions of Silicates With Organic Compounds,  
by H. Deuel.

GERMAN, per, Makromolekulare Chemie,  
Vol XXXIV, 1959, pp 206-215.

GB/137

Sci  
Dec 62

Semic Reactions With Methyl Hydrogen Polysiloxane  
by S. Nitzecke, 13 pp.

GERMAN, part, Makromolekulare Chemie, Vol XLV,  
1959, p 231-239.

SLA 60-10705

SP/ 7/1. 718

Sci

OMB, Vol III, No 7

132,272

Dec 60

Light Scattering Molecular Weights of  
Thermal Styrene Polymers, by J. W.  
Breitenbach, H. Breitenbach.  
GERMAN, per, Makromolekulare Chemie,  
Vol 37, 1960, pp 53-63.  
IICH-8686

Sci-Chem  
Jul 66

305,536

The Determination of the Molecular Weight From  
the Change of the Experimental Gradient Curve of  
the Ultracentrifuge, by Matatiahu Gabatia.

GERMAN, per, Die Makromolekulare Chemie, Vol XXXVII,  
1960, pp 85-96.

MM 4-18-63

Sci - Chem

Jul 63

238,071

63-18354

Meyerhoff, G.  
MOLECULAR DIMENSIONS OF POLYMERS IN  
DIFFERENT SOLVENTS ON THE BASIS OF HYDRO-  
DYNAMIC MEASUREMENTS. (Molekildimensionen  
von Polymeren in Verschiedenen Lösungsmitteln auf  
Grund hydrodynamischer Messungen). Report from  
the IUPAC Symposium on Macromolecules, Wiesbaden,  
1959. [1963] [22]p. (foreign text included) 19 refs.  
Order from SLA \$2.60 63-18354

Trans. of Makromol[ular] Chemie (Switzerland)  
1960, v. 37, no. 1/2, p. 97-107.

DESCRIPTORS: \*Styrene plastics, Molecular prop-  
erties, \*Solvents, \*Chloroform, \*Toluenes,  
\*Cyclohexanes, \*Ketones, Methyl radicals, Ethyl  
radicals, Viscosity, Sedimentation, Diffusion,  
Friction, Hydrodynamics.

(Materials--Plastics, TT, v. 10, no. 12) (over)

I. Meyerhoff, G.  
II. Title: IUPAC ...

Office of Technical Services

Kern, Werner and Cherdon, Harald.  
THE DEGRADATION OF POLYOXYMETHYLENES.  
[1961] 15p  
Order from SLA \$1.60

Trans. of Makromolekulare Chemie (Switzerland)  
1960, v. 39, no. 3, p. 101-117.

DESCRIPTORS: \*Formaldehyde, Decomposition,  
"Methanes, Polymers, Pyrolysis, Molecular structure,  
Chemical reactions, "Methyl ethers, Ethers.

The degradation is followed of polyoxymethylene which  
have been prepared by different methods. It is possi-  
ble to differentiate different degradation reactions and  
to characterize these separately.

(Chemistry--Organic, TF, v. 7, no. 11)

62-10679

I. Kern, W.  
II. Cherdon, H.

Office of Technical Services

MAKROOLEKULARE CHEMIE  
1960 V37 P1194142 70-12035-07C <\*> 0  
1960 V39 P15-25 70-12036-07C <\*>  
1961 V64/H P324-537 70-12040-07D <\*> 0  
1962 V51 P199-216 70-12041-07C <\*> 0  
1962 V55 P167-172 70-12036-07C <\*> 0  
1962 V56 P228-233 70-12042-07E <\*> 0  
1962 V58 P150-165 70-12039-07C <\*> 0  
1963 V60 P139-154 70-12037-07C <\*> 0  
1963 V61 P200-204 70-12786-115 <\*>

Oligomeric Silicon Compounds With Functional Groups  
I. Allyl-, Vinyl- and Ethylene- Oxide-  
Polysiloxanes, by G. Greber, L. Metzinger.

GERMAN = per, Makromolekulare Chemie,  
Vol XXXIX, No 3, 1960, pp 167-188.

GB/39/Nob

Sci  
Dec 62

Kerber, Robert.  
KINETIC INVESTIGATIONS ON THE FORMATION  
OF POLYMERIC PEROXIDES OF METHYL-  
METHACRYLATE, II. [1961] [15 p. 15 refs.  
Order from SLA \$1.60 61-20631

Trans. of Makromolekulare Chemie (Switzerland)  
1960, v. 40, p. 39-54.

DESCRIPTORS: \*Acrylic resins, \*Peroxides, Phase  
transitions, Inhibition, Reaction kinetics, Catalysts,  
Copolymerization, Dielectric properties, Plastics,  
Polymers.

Experiments show that polar effects must be taken  
into account also in radical reactions.

(Chemistry--Organic, TT, v. 7, no. 8)

61-20631

I. Kerber, R.

201442

Office of Technical Services

<p>Grafmuller, F. and Husemann, E. THE OXIDATION OF POLYOLEFINS. I. BEHAVIOR OF LOW-PRESSURE POLYETHYLENE DURING THERMAL OXIDATION. [1961] 15p. 9 refs. Order from RIS \$30.00 RIS rept. 97144 <u>Trans. of Makromolekulare Chemie (Switzerland) 1960.</u> v. 40, p. 161-171.</p> <p>DESCRIPTORS: *Polymers, *Ethylenes, Oxidation, Molecular weight, Chemical bonds, Deterioration.</p> <p>(Chemistry--Organic, TT, v. 6, no. 5)</p>	<p>61-22972</p> <p>I. Grafmuller, F. II. Husemann, E. III. Title: Behavior ... IV. RIS-97144 V. Research Information Service, New York</p> <p>180583</p> <p>Office of Technical Services</p>
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<p>Grafmuller, F. and Husemann, E. THE OXIDATION OF POLYOLEFINS. II. CHEMICAL AND INFRARED SPECTROSCOPIC INVESTIGATION OF OXIDIZED LOW-PRESSURE POLYETHYLENE. [1961] 21p. 15 refs. Order from RIS \$22.50                    RIS rept. 97145</p> <p>Trans. of Makromolekulare Chemie (Switzerland) 1960, v. 40, p. 172-188.</p> <p>DESCRIPTORS: *Polymers, *Ethylenes, Oxidation, Chemical analysis, Infrared spectroscopy, Molecular weight, Deterioration.</p> <p>(Chemistry--Organic, TT, v. 6, no. 5)</p>	<p>61-22971</p> <p>I. Grafmuller, F. II. Husemann, E. III. Title: Chemical ... IV. RIS-97145 V. Research Information Service, New York</p> <p>180582</p> <p>Office of Technical Services</p>
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Elias, Hans-George and Männer, Erich.  
THE PROBLEM OF THE MEMBRANE IN OSMOTIC-  
PRESSURE MEASUREMENTS WITH HIGH POLYMERS.  
IV. ON THE INFLUENCE OF THE MOLECULAR-  
WEIGHT DISTRIBUTION AND ADDITIVES ON THE  
OSMOTIC PRESSURE IN PERMEABLE MEMBRANES  
(Das Problem der Membran bei Osmotischen Messun-  
gen an Hochpolymeren. IV. Über den Einfluss der  
Molekulargewichtsverteilung und von Zusätzen auf den  
Osmotischen Druck an Permeablen Membranen).  
{1961} [18]p. (foreign text included) 9 refs.  
Order from SLA \$1.60 62-10331

Trans. of Makromolekulare Chemie (Switzerland)  
1960, v. 40, no. 3, p. 207-215.

DESCRIPTORS: \*Polymers, Ethylenes, Glycols,  
Molecular weight, \*Membranes, Permeability, \*Os-  
motic pressure, Pressure, Measurement, Additives.  
(Chemistry--Organic, TT, v. 7, no. 8) (over)

62-10331

I. Elias, H. -G.  
II. Männer, E.

201329

Office of Technical Services

Falkel, B. V.  
MELT AND CRYSTALLIZATION PHENOMENA OF  
MACROMOLECULAR SUBSTANCES. I. CRYSTALLI-  
ZATION KINETICS STUDIES OF ISOTACTIC POLY-  
PROPYLENE. [1961] [20]p. 23 refs.  
Order from SLA m#3.40, p#3.30

61-10939

Trans. of Macromolekulare Chemie (Switzerland)  
1962, v. 41, p. 86-109.

By means of microscope investigations, the formation  
of nuclei and the growth rate of isotactic polypropylene  
were measured separately as a function of the crystal-  
lization temperature, and the values ascertained in  
this way were compared with the numerical data of the  
over-all crystallization according to Avrami. The  
values were excellently in line with theory. The varia-  
tion of the growth rate with temperature followed the  
Volmer theory, if allowance is made for the variation  
of the melting point of the high polymer with the pre-  
cycling crystallization temperature. As the  
(Chemistry--Organic, TT, v. 5, no. 11) (over)

61-10739

- I. Propene polymers--  
Crystallization  
I. Falkel, B. V.  
II. Title: Crystallization ...

Office of Technical Services

<p>Gossel, T. INFRARED-SPECTROPHOTOMETRIC STUDIES OF COPOLYMERS OF ETHYLENE AND PROPYLENE. [1961] 8p. Order from ATS \$9.95</p> <p>Trans. of <i>Makromol[ekulare] Chem[ie]</i> (Switzerland) 1960, v. 42, no. 1, p. 1-11.</p> <p>DESCRIPTORS: *Ethylenes, *Propenes, infrared spectroscopy, Copolymerization.</p> <p>(Chemistry--Organic, TT, v. 6, no. 8)</p>	<p>61-25373</p> <p>I. Gossel, T. II. ATS-38N53G III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>61-25373-94 ATS-681-GJ 140244</p> <p>Office of Technical Services</p>
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Braun, D., Bätz, W., and Korn, W.  
POLYMERIZATION OF STYRENE WITH BUTYL-LITHIUM. III. STEREOSPECIFIC POLYMERIZATION  
WITH ORGANIC ALKALI METAL COMPOUNDS.  
[1963] 6p 13refs  
Order from SLA \$1.10

63-20263

Trans. of Makromolekulare Chemie (Switzerland)  
1960, v. 42, p. 89-94.

DESCRIPTORS: \*Styrene plastics, \*Polymerization,  
\*Alkali metal compounds, Alkyl radicals, \*Lithium  
compounds, Solvents, Stereochemistry, Metalorganic  
compounds.

Styrene can be polymerized stereospecifically by  
linear lithium alkyls at low temperatures, using  
branched lithium alkyls; however, only atactic  
polymers are obtained. It is suggested that the  
(Materials--Plastics, TT, v. 10, no. 10) (over)

63-20263

- I. Title: ButylLithium
- II. Braun, D.
- III. Bätz, W.
- IV. Korn, W.

IV. Title: Stereospecific...

Office of Technical Services

Jacobs, Herbert and Jenckel, Ernst.

DYNAMIC-MECHANICAL CHARACTERISTICS OF POLYURETHANE. Discussion no. 1 of the Mechanical Behaviour of Polyurethane as a Function of its Chemical Constitution and Thermal Past History. [1961]12p. (7 figs. omitted) 21 refs.

Order from SLA \$1.60

62-10547

62-10547

- I. Jacobs, H.
- II. Jenckel, E.
- III. Title: Mechanical ...
- IV. Technische Hochschule,  
Aachen (West Germany)

Trans. of Makromolekulare Chemie (Switzerland)  
1961, v. 43, p. 132-143.

DESCRIPTORS: \*Polymers, \*Urethanes, Mechanical properties, Temperature, Damping, Crystallization, Chemical properties.

The dynamic-mechanical properties of several types of polyurethane have been studied over a temperature range extending from about -180° C to near the melting (Chemistry-Organic, TT, v. 7, no. 9) (over)

Office of Technical Services

Bier, G., Lehmann, G., and Leugering, H. J.  
BLOCK POLYMERS FROM ETHYLENE AND PROPYLENE. [1962] 10p. 14 refs.  
Order from SLA \$1.10

62-18931

62-18931

I. Bier, G.  
II. Lehmann, G.  
III. Leugering, H. J.

Trans. of Makromolekulare Chemie (Switzerland) 1961,  
v. 44/46, p. 347-357.  
Another trans. is available from ATS \$9.75 as  
ATS-37N53G [1961] 9p.

ATS-65C-6J

DESCRIPTORS: \*Block polymers, Synthesis, \*Ethylenes,  
\*Propenes, Physical properties, \*Ziegler catalysts,  
Metalorganic compounds.

According to the method employed by K. Ziegler for the preparation of block polymers from ethylene and propylene utilizing metal-organic mixed catalysts it can be expected that the lifetime of the active ends of the chains is relatively long. Some properties of such polymers are investigated regarding the dependence upon the ratio of the mers, i.e. the length of the blocks, the number of periods and the degree of crystallinity. (Author)

(Chemistry--Organic, TT, v. 10,  
no. 1)

Office of Technical Services

Apparent Specific Volume of Electrolytes and  
Electrolytes in Solution, by R. Iwatsuki,  
A. Teramoto.

GERMAN, per, Makromolekulare Chemie, Vol XLVII,  
No 2, p 3, 1961, pp 185-200.

CSIRO/Ko 6004

Spcl Chem  
May 63

234.478

Bier, G., Lehmann, G., and Leugering, H. J.  
BLOCK POLYMERS FROM ETHYLENE AND  
PROPYLENE, [1961] 9p.  
Order from ATS \$9.75

ATS-37N53G

Trans. of Makromol[ekulare] Chem[ie] (Switzerland)  
1961, v. 44/46, p. 347-357.

DESCRIPTORS: \*Polymers, Preparation, Ethylenes,  
Propenes.

61-23374

- I. Title: Block polymers
- II. Bier, G.
- III. Lehmann, G.
- IV. ATS-37N53G
- V. Associated Technical Services, Inc.,  
East Orange, N. J.

(Chemistry--Organic, TT, v. 7, n. 2)

Office of Technical Services

Burchard, W. and Husemann, E.  
A COMPARATIVE STRUCTURAL ANALYSIS OF  
CELLULOSE AND AMYLOSE TRICARBAMILATES  
IN SOLUTION (Eine Vergleichende Strukturanalyse  
von Cellulose und Amylose-Tricarbamaten in Lösung)  
tr. by D. A. Sinclair. 1961, 37p. 33 refs. NRCC  
Technical Trans. 995.  
Order from NRCC \$2.00 NRCC C-3880

Trans. of Makromolekulare Chem[ie] (Switzerland)  
1961, v. 44/46, p. 358-357.

DESCRIPTORS: \*Cellulose chemistry, Chemistry,  
\*Cellulose, \*Saccharides, Starches, \*Carbamates,  
Molecular structure, Viscosity, Molecular weight,  
Light, Scattering, Optics, Fractionation, Acetones,  
Solutions.

(Chemistry-Physical, TT, v. 8, no. 4)

62-12696

I. Burchard, W.  
II. Husemann, E.  
III. NRCC TT-995  
IV. NRCC C-3880  
V. National Research Council  
of Canada

Office of Technical Services

Contributions to the Mechanism of Stereo Regulated  
Polymerisation, by Norman Gaylord, H. Mark, 5pp  
DUTCH, per, die Markromol Chem, Vol 44/46,  
1961, pp 446-460  
SIA TT-65-10101

Sci - Chem  
June 67

328,929

Hydrodynamic Properties of Methylcellulose in  
Solution, by K. Uda, 15pp  
SWISS, per, die Makromol Chem, Vol 47, 1961,  
pp 168-183  
SLA TT-65-10093

Sci - Chem  
June 67 328,962

Bohdanecky, M., Mleziva, J., Sternschuss, A., and Zvonař, V.  
CONCERNING THE STRUCTURE OF HARDENED POLYESTER RESINS. [1963] 18p 12refs  
Order from SLA \$1.60 TT-64-14171

Trans. of Mikromol[ular] Chem[ie] (Switzerland) 1961, v. 47, no. 2/3, p. 201-214. (Abstract available)

DESCRIPTORS: Polyester plastics, Polarographic analysis, Phthalic acids, Anhydrides, Copolymerization, Styrene plastics, Hydrolysis, Volumetric analysis, Polymers, Decomposition.

The decomposition of hardened polyester resins with glycolic KOH under gravimetric and conductometric control is more advantageous, because of rapidity, for the study of the structure of resins than decomposition in aqueous or benzyl alcoholic solution. The degree of transformation of the polyester resins by copolymerization (Materials--Plastics, TT, v. 11, no. 7) (over)

TT-64-14171

I. Bohdanecky, M.  
II. Mleziva, J.  
III. Sternschuss, A.  
IV. Zvonař, V.

Office of Technical Services

Preparation and Structure of Synthetic  
Polysaccharides, by Fritz Micheel, August  
Bockmann, Walter Meckstroth, 7pp  
SWISS, per, die Makromolekulare Chemie,  
Vol 48, 1961, pp 1-16  
SLA TI-65-10102

Sci - Chem  
June 67

328,945

Sinn, H., Winter, H., and Tirpitz, W. v. POLYMERIZATION AND ISOMERIZATION ACTIVITY OF TRIALKYLALUMINUM, ALKYLALUMINUM HALIDES AND MIXED ZIEGLER CATALYSTS. (1961) 10p. Order from ATS \$14.45 Trans. of Makromolekulare Chem[ie] (Switzerland) 1961, v. 16, p. 59-71.	62-12358 I. Title: Ziegler catalysts I. Sinn, H. II. Winter, H. III. Tirpitz, W. v. IV. ATS-86N57G V. Associated Technical Services, Inc., East Orange, N. J.  ATS-76C-6J	(Chemistry--Organic, TT, v. 7, no. 9)
Office of Technical Services		

*ARS*

1484-GJ POLY(1,5-METHYLENES. PART 20. INITIATORS OF THE POLYMERIZATION OF TRICXANE, V. Jaacks and W. Kern,  
Makromol. Chem. No. 62, 1-17 (1962).  
6050 W; 2 T; 6 F; 14 R \$17.75 (\$3.25)

Zachmann, Hans Gerhard and Schmidt, Günther Friedrich MELT AND CRYSTALLIZATION PHENOMENA OF MACROMOLECULAR SUBSTANCES. VI RESULTS OF SMALL ANGLE AND WIDE ANGLE X-RAY STUDIES OF POLY(GLYCOL TEREPHTHALATE (TERYLENE). [1961] 25p. 15 refs. Order from SEA \$2.60	63-16565 I. Title: Poly(glycol terephthalate) II. Zachmann, H. G. III. Schmidt, G. I. III. Title: Results...
Trans. of <u>Macromolekulare Chemie</u> (Switzerland) 1962, v. 52, p. 23-35.	Office of Technical Services

Jaacks, Volker and Kern, Werner.  
ON POLYMERIZATION IN TRIOXANE SUBLIMATION  
(Über die Polymerisation bei der Sublimation des  
Trioxans). Article no. 17 on Polyoxymethylenes. [1962]  
[11 p., 12 refs.]

Order from SLA \$1.60

62-16618

Trans. of Makromolekulare Chemie (Switzerland) 1962,  
v. 52, Apr., p. 37-47.

DESCRIPTORS: \*Methanes, Oxygen compounds, Sublimation, Polymerization, Formaldehyde, Catalysis.

Pure trioxane, when sublimed i. vac. or when crystallized undergoes slow polymerization in the crystalline state to high molecular weight polyoxymethylene. Polymer yields decrease with rising content of water in the monomer and with rising pressure of inert gases during sublimation. This polymerization is initiated by traces (Chemistry--Organic, TT, v. 9, no. 4) (over)

62-16618

I. Jaacks, V.  
II. Kern, W.  
III. Title: Polyoxymethylenes

NYC 71-12640-07C

Office of Technical Services

The Attack of the Carbonium Ion on Monomeric  
Styrene in the Cationic Copolymerization of  
Trioxane and Styrene. Report No 19 on Polyoxy-  
methylenes, by L. Hoehr  
EUROPEAN, per, Makromolekulare Chemie, Vol 52  
1962, pp 59-62  
NTC 71-15510-07C

feb 72

Hank, Rudolf,  
THE SOLUBILITY OF REDOX POLYMERISATES OF  
ACROLEIN. [1962] [13]p. 15 refs.  
Order from SLA \$1.60

62-18670

Trans. of Makromolekulare Chemie (Switzerland) 1962,  
v. 52, 18 Apr., p. 108-119.

DESCRIPTORS: \*Acroleins, Polymerization, \*Solubility,  
Oxidation-reduction reactions, Polymers, Viscosity,  
Decomposition, \*Organic solvents.

(Chemistry--Organic, TT, v. 9, no. 12)

62-18670

L. Hank, R.

Office of Technical Services

Schulz, R. C., Kovacs, J., and Kern, W.  
SOLUTION EXPERIMENTS WITH REDOX POLY-  
MERIZATES OF ACROLEIN. [1962] 3p. 8 refs.  
Order from SLA \$1.10 62-16963

Transl. of *Markromolekulare Chemie* (Switzerland)  
1962, v. 52, p. 236-238.

DESCRIPTORS: \*Acroleins, \*Polymers, Polymer  
solutions, Polymerization, Oxidation-reduction  
reactions.

(Chemistry--Organic, TT, v. 8, no. 10)

62-16963

I. Schulz, R. C.  
II. Kovacs, J.  
III. Kern, W.

Office of Technical Services

TT-65-13411

Field 111

Gandini, A.; Heinen, C.  
ON THE COPOLYMERIZATION OF STYRENE WITH  
PROPYLENE ACCORDING TO THE METHOD OF THE  
PERIODIC COPOLYMERIZATION. 13p (figs omitted)  
14refs.

Order from SLA: \$1.60 as TT-65-13411

Trans. of Makromolekulare Chemie (Switzerland)  
v54 p126-35 1962.

MR 655

TT-65-13412

Field 7D

Schulz, G. V.; Scholz, A.; Flignt, R. V.  
ANALYSIS OF TWO TYPICAL DISTRIBUTIONS OF  
POLYSTYRENE BY COLUMN FRACTIONATION. 23p.  
14 refs.

Order from SLA: \$2.50 re TT-65-13412

Trans. of Makromolekulare Chemie (Switzerland)  
v57 p220-40 1962

MR 655

63-10948

Jungmann, L., Gundoldt, A., and Bier, G.  
POLYMERIZATION OF ETHYLENE AND PROPYLENE  
IN AMORPHOUS COPOLYMERIZED STATES WITH  
CATALYSTS WITH VANADIUM OXYCHLORIDE AND  
ALUMINUM HALIDES. I. Polymerisation  
von Athylen und Propylen in amorphen Copolymerisationsen  
mit Katalysatoren aus Vanadiumoxychlorid und  
Aluminimumhalogeniden (alogen). [1961] [27]p. (foreign text  
included) 13 refs.  
Order from SLA \$2.00

I. Jungmann, E.  
II. Gundoldt, A.  
III. Bier, G.

63-10948

Trans. of Makromolekulare Chemie (Switzerland)  
1962, v. 36, no. 1, p. 18-42.

DESCRIPTORS: \*Synthetic rubber, \*Polyethylene  
plastics, \*Ethylenes, \*Propenes, Polymerization,  
Reaction kinetics, \*Ziegler catalysts, \*Aluminum  
compounds, Halogens, Alkyl radicals, \*Vanadium  
compounds, Oxychlorides, Catalysts.  
(Materials-Elastomers, TT, v. 10, no. 2)

Office of Technical Services

Bier, G., Gumboldt, A., and Schleitzer, G.  
THE ACTION OF VARIOUS ZIEGLER CATALYSTS  
IN THE POLYMERIZATION OF  $\alpha$ -OLEFINS AND  
PROPERTIES OF THE POLYMERS. [1963] [19]p.  
19 refs.

Order from SLA \$1.60

63-14417

Trans. of Makromolekulare Chemie (Switzerland)  
1962, v. 58, Dec, p. 43-64.

DESCRIPTORS: \*Ziegler catalysts, \*Metalorganic  
compounds, \*Aluminum compounds, \*Titanium com-  
pounds, \*Vanadium compounds, \*Polyethylene  
plastics, Ethylenes, Propenes, Polymerization, Copoly-  
merization, \*Block polymers.

Ziegler type catalysts such as  $TiCl_3 + AlR_2Cl$  (a) and  
 $VCl_4 + AlR_2Cl$  (b) show very different behaviour in the  
polymerization and copolymerization of  $\alpha$ -olefins.  
(a) has a long lifetime with relatively long growing  
(Materials - Plastics, TT, v. 10, no. 4) (over)

63-14417

I. Bier, G.  
II. Gumboldt, A.  
III. Schleitzer, G.

Office of Technical Services

The Fractionation of Chemically Nonuniform  
High Polymers. Part II, by O. Fuchs  
EUROPEAN, per, Makromolekulare Chemie, Vol 58,  
1962, pp 65-74  
NTC 71-15511-07C

feb 72

The Determination of the 'Soluble' Fraction  
in Crystalline Polymers, by O. Fuchs.  
GERMAN, per, Makromolekulare Chemie,  
Vol 58, 1962, pp 247-250.

IICR-8706

NTC 69-12540-0701

Sci-Chem  
Jul 66

305,521

On the Autoxidation of Saturated  
Macromolecular Hydrocarbons, by  
L. Dulog.  
GERMAN, per, Makromolekulare Chemie,  
Vol 60, 1963, pp 1-17  
NTC 72-11378-07C

June 72

Sakurada, I. and Sakaguchi, Y.  
POTENTIOMETRIC INVESTIGATIONS OF POLYELECTROLYTES [Potentiometrische Untersuchungen von Polyelektrolyten]. [1963] [10]p. 15 refs.  
Order from SLA \$1.10

63-18699

Trans. of Makromolekulare Chemie (Switzerland) 1963,  
v. 61, p. 1-13.

DESCRIPTORS: \*Electrolytes, Polymers, Copolymers,  
\*Stereochimistry, \*Styrene plastics, \*Polyvinyl alcohol,  
\*Acrylic resins, \*Carboxylic acids, Maleic anhydride, Solvents, Acrylic acids, \*Electrochemistry, Polymerization, Saponification, Potentiometers.

In order to get a better understanding of the effects of the near neighbor interaction on the behavior of aqueous solutions of polyelectrolytes, potentiometric titrations of polyelectrolytes with various stereostructures and distributions of ionized groups in the polymer chain (Chemistry--Physical, TT, v. 10, no. 11) (over)

63-18699  
I. Sakurada, I.  
II. Sakaguchi, Y.

Office of Technical Services

Elementary Fibrils of Cellulose, by A. Frey-Wyssling,  
K. Muhlethaler.  
GERMAN, per, Die Makromolekulare Chemie, No 62,  
1963, pp 25-30.  
CSIRG/No 6496

Sci ~ Chem  
Apr 64

253,343

The Configurational Stability of Tactic Polystyrenes,

by Dietrich Braun, Hans K Hintz, et al, 10 pp.  
GERMAN, per, Makromolekulare Chemie, Vol LXII,  
1963, pp 108-119. 9226660  
AEC-SC-T-64-1638

Sci-Chem  
Feb 65

273,172

<p>Jacks, V[olker] and Kern, W[erner]. INITIATORS OF THE POLYMERIZATION OF TRI-OXANE. Pt. 2 on Polyoxymethylenes. [1963] 14p. Order from ATS \$17.75 ATS-52070C</p> <p>Trans. of Makromolekulare Chem[ie] (Switzerland) [1963], v. 62, p. 1-17.</p> <p>DESCRIPTORS: *Methanes, Oxygen compounds, Sublimation, *Polymerization, Formaldehyde, Catalysis.</p> <p>(Chemistry--Organic, TT, v. 10, no. 9)</p>	<p>63-22192</p> <p>I. Title: Trioxane II. Jacks, V. III. Kern, W. IV. Title: Polyoxymethylenes V. ATS-52070C V. Associated Technical Services, Inc., East Orange, N. J.</p> <p>Office of Technical Services</p>
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On the Depolymerization of Crystalline Polyisobutyraldehyde, by H. P. Frank.  
GERMAN, per, Makromolekulare Chemie, Vol 63,  
1963, pp 135-140.  
NTC 71-14071-07C

Feb 72

Synthesis, Identification and Isolation  
of Higher Cyclic Amides from Nylon 66,  
by I. Rothe, M. Rothe.  
SWISS, pex, Makromol Chemie, Vol 68, 1963,  
pp 206-210.  
NLL Ref: 5828.4F (7223)

Sci-Chem  
Mar 69

377,493

The Preparation of Macromolecular with Functional  
End Groups. Communication No 1, by G. Greber,  
A. Balciunas.  
GERMAN, per, Makromolekulare Chemie, Vol 69,  
1963, pp 193-205.  
HTC-69-16124-07C

Sci-Chem  
Feb 70

403,017

NCH-302 508

Field 7C

Sinn, H.  
KINETICS OF THE POLYMERIZATION OF ISOPRENE AND  
STYRENE WITH n-BUTYL LITHIUM AS CATALYST. 1965,  
51p. TC-1223.  
Order from TC: \$27.00 m# TC-1223

Trans. of Makromolekulare Chemie (Switzerland) v70  
1222-59 1965;  
Another trans. is available from SLA \$27.00 as TT-65-12916,  
40p.

L. Trans-Chem  
Knoxville, Tenn.

Lehmann, G. and Gumboldt, A.  
THE OLEFIN POLYMERIZATION RATE WITH  
MIXED METALLOORGANIC CATALYSTS. 17p 9refs.  
Order from SLA \$1.60 TT-64-16981

Trans. of Makromol[ekulare] Chem[ie] (Switzerland)  
1964, v. 70, p. 23-48.

TT-64-16981

I. Lehmann, G.  
II. Gumboldt, A.

(Chemistry--Organic, TT, v. 12, no. 5)

Office of Technical Services

Discussion of the Individual Steps in the  
Polymerization of Propylene on  $TiCl_3$ -  
Containing Mixed Catalysts, by Gerhard  
Bier, 10p.  
SWISS, per, Makromolekulare Chemie,  
Vol 70, 1964, pp 44-53.  
SLA ID-64-30701  
SLATE 64-16977

333, 803

Sci  
Jul 67

I, 2-Siloxacycloalkanes First Communication:  
Synthesis and Polymerization Behavior,  
by Gerd Rossmy, Gotz Koerner. GOVERNMENT USE  
ONLY  
GERMAN, per, Die Makromolekulare Chemie, Basel,  
1964, pp Vol LXIII, pp 85-108. 9695179  
DDC NSIC-278

TC - 167

Sci - Phys  
Jan 65

270,693

Measurement of the Refractive Index Increment of  
Different Solutions of High Polymers and the  
Rayleigh Ration of Some Liquids, As a Function  
of Temperature, by Jacqueline Ehl, Claude  
Loucheux, Claude Reiss, Henri Benoit, 25pp  
SWISS, per, Makromol Chem, Vol 75, 1964, pp 35-51  
SIA TT-64-30066

Sci - Phy  
June 67

327,565

- TT-65-13863

Field 7D

Kucera, M.; Spousta, E.  
THE MOLECULAR WEIGHT OF POLYFORMALDEHYDE  
IN THE MELT POLYMERIZATION OF TRIOXAN. 6p.  
13refs.

Order from SLA: \$1.10 as TT-65-13863

Trans. of Makromolekulare Chemie (Switzerland)  
v76 p183-8 1964.

MIR 666

TT-65-13864

Field 7D

Kucera, M.; Spousta, E.  
THE INFLUENCE OF TEMPERATURE ON THE  
MOLECULAR WEIGHT OF POLYFORMALDEHYDE IN  
THE MELT POLYMERIZATION OF THIOXAN. 5p, 10refs.  
Order from SLA: \$1.10 as TT-65-13864

Trans. of Makromolekulare Chemie (Switzerland)  
v76 p190-5 1984.

MR 666

NCH-202 #75

Field 111

Hopff, H.; Lussi, H.; Gerspacher, P.  
SUSPENSION POLYMERIZATION. PT. I. PRINCIPLES,  
1965, 10p. ATS-04889G.  
Order from ATS: \$15.70 as ATS-04889G.

Trans. of Mikromolekulare Chemie (Switzerland) v7#  
n24-36 1964.

I. Title: Principles ...  
II. Associated Technical  
Services, Inc.,  
East Orange, N. J.